

SC-21 Roadshow


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SC-21 Program Manager
PMS 500*

2 September 1997

SC-21 Program Information

- ◆ Programmatic information is **DRAFT** until DAB
- ◆ Defer to RFP
- ◆ Nothing within this presentation should be construed as direction or guidance for future procurements

SC-21 Homepage

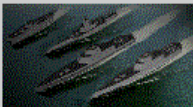


Announcements

Program Documentation

Guest Book

Related Sites




PMS 500 Twenty-First Century Surface Combatant SC-21


What's New

- Capt. Tom Bush, PMS 500, tells the SC-21 story in the latest SC-21 Roadshow Presentation. Now available in Adobe Acrobat files [Part 1](#), [Part 2](#), [Part 3](#), and [Part 4](#). (09/20/97)

Program Items

- Program Manager's [Status Report](#). (10/10/97)
- [PMS 500 Organization](#) Chart available in Adobe Acrobat. (10/10/97)

 Please Send Comments or Questions about this Site to the [PMS 500 Web Master](#).

 This information resides on a DOD interest computer. Important [conditions, restrictions, and disclaimers apply](#).

<http://SC21.crane.navy.mil/>

Who's Been Briefed

Industry

- ☒ Ingalls Shipbuilding
- ☒ Avondale Industries
- ☒ Raytheon
- ☒ Bath Iron Works
- ☒ Lockheed Martin
- ☒ Northrop Grumman
- ☒ NASSCO
- ☒ Boeing
- ☒ Hughes
- ☒ McDonnell Douglas
- ☒ Newport News Shipbuilding

Government

- ☒ NSWC Dahlgren
- ☒ APL / JHU
- ☒ NUWC
- ☒ SWOS PCO
- ☒ NRaD
- ☒ NSWC Crane
- ☐ NRL
- ☐ NPS
- ☒ NSWC Carderock
- ☐ NSWC-PHD
- ☐ NAWC-TSD

1977 -- Would You Have Believed?



Lessons of History



"I wish to have no connection with any ship that does not sail fast for I intend to go in harm's way."

J ohn Paul J ones

- ◆ **Ships built with little adaptability retired early because they were not adaptable to changing times/threats**
- ◆ **Ships are employed in ways never imagined by those who set the requirements**
 - **Evolution of the mission of the destroyer over time**
 - **GEARINGS and SUMNERS were built to make one trip across the ocean**
 - **USS MIDWAY, the old veteran, played role in Desert Shield/Desert Storm**

Lessons Learned From Surface Combatant Shipbuilding

- ◆ It takes a long time to build a ship & combat system
 - CG 47: 1966 - 1983 - 17 years
 - DDG 51: 1980 - 1993 - 14 years
 - DD 21: 1995 - 2009 - 15 years
- ◆ A ship is both a combat system and a hull
- ◆ Hulls last 30 to 40 years
- ◆ Combat systems last 8 to 10 years

We must design in adaptability today, to counter threats of tomorrow we cannot imagine

The Rest Of The Story



CG 47

17 years

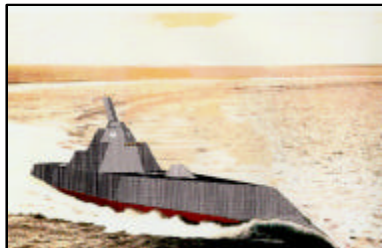
Common hull...
New combat system



DDG 51

14 years

Common combat system...
New hull



DD 21

15 years

New hull...
New combat system



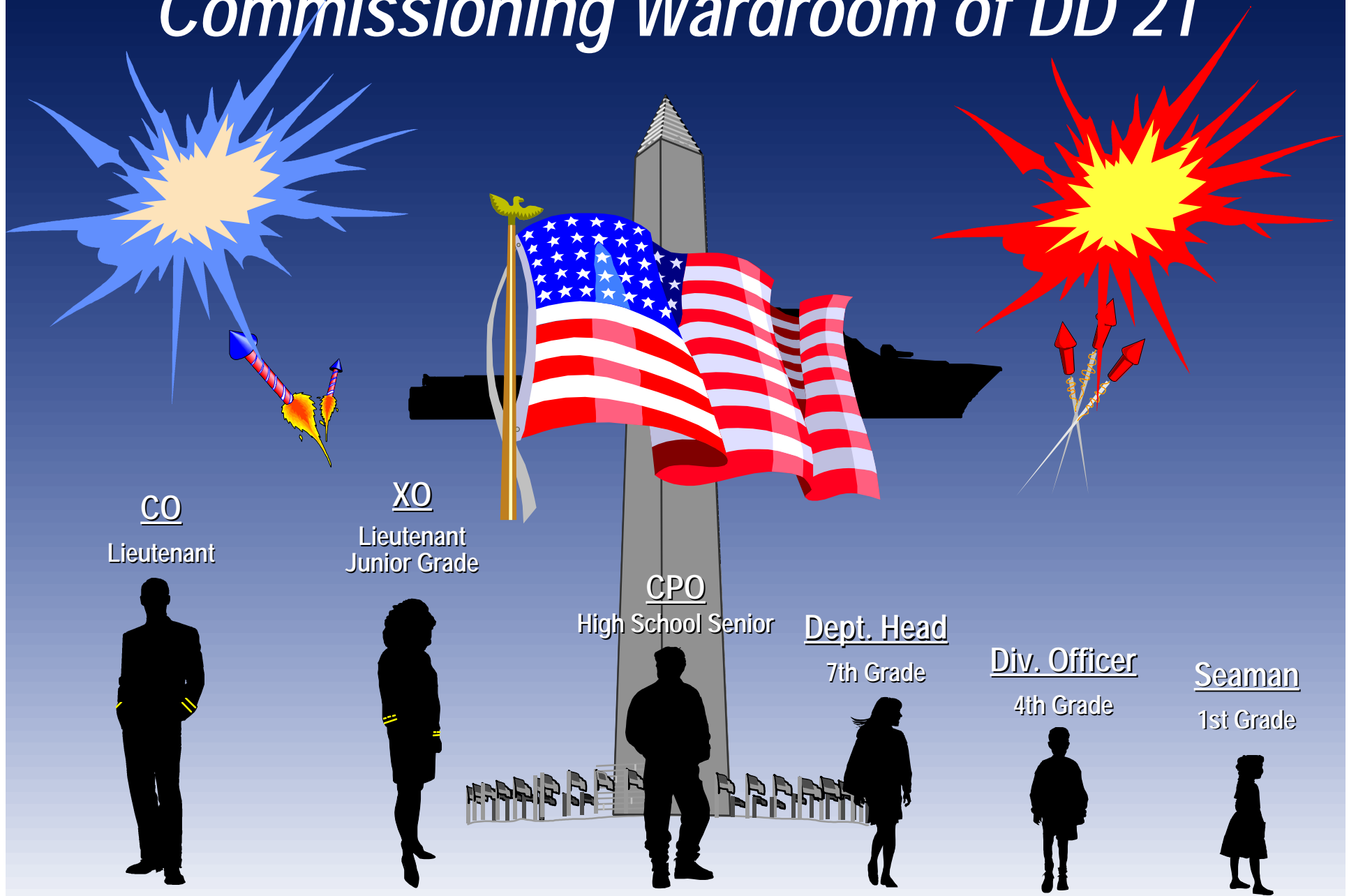
Where Will You Be---2010 to 2030?



Gone fishing



July 4, 1997 for the Commissioning Wardroom of DD 21



CO

Lieutenant

XO

Lieutenant
Junior Grade

CPO

High School Senior

Dept. Head

7th Grade

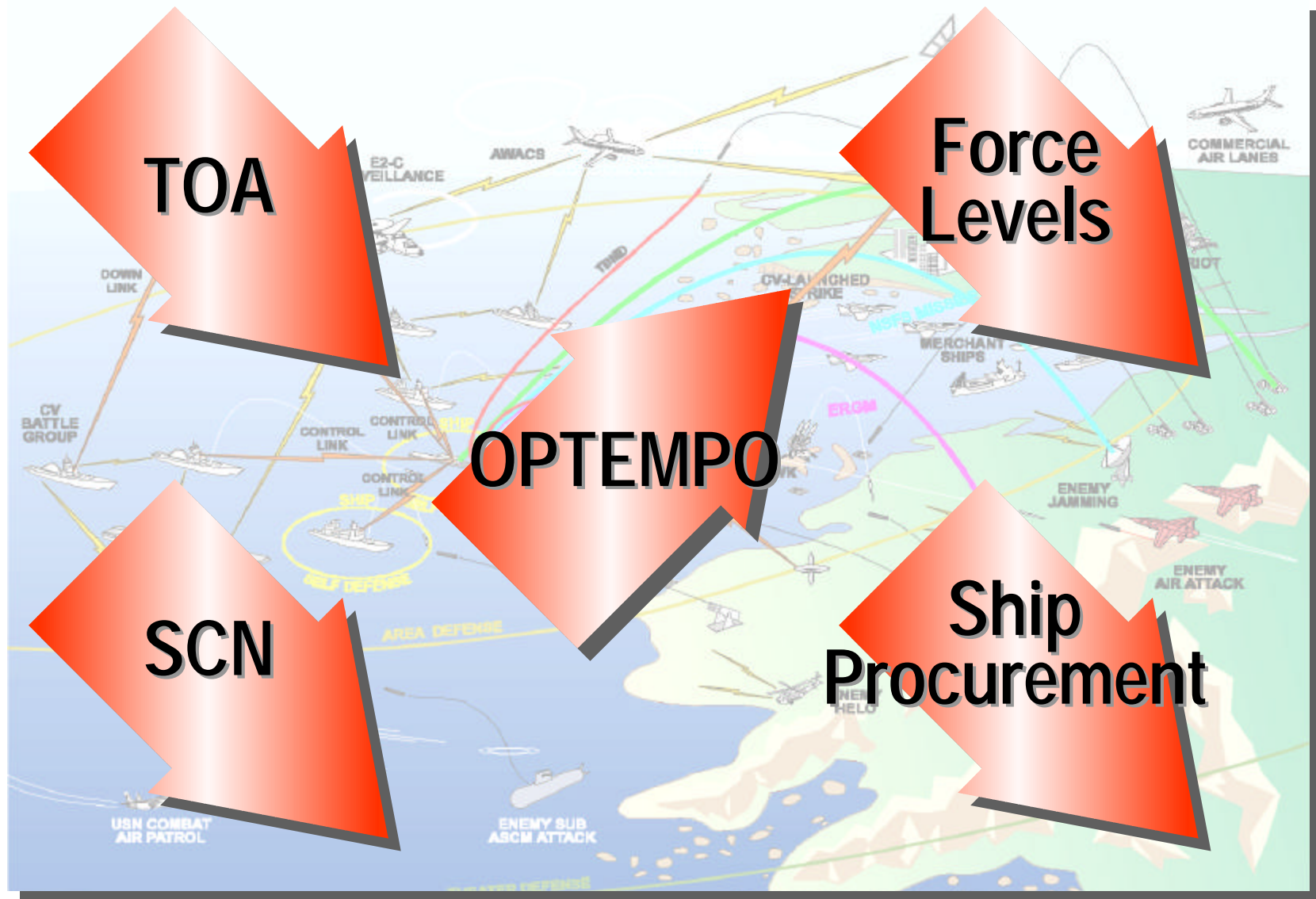
Div. Officer

4th Grade

Seaman

1st Grade

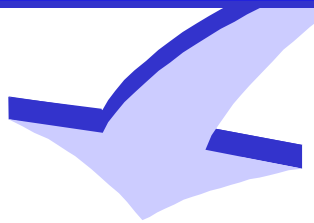
What Do We Know Today?



21st Century Surface Warfare

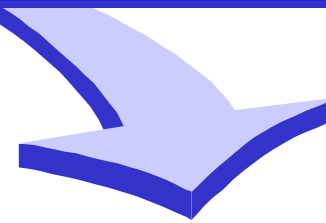
Joint Vision 2010

- Dominant maneuver
- Precision engagement
- Focused logistics
- Full dimensional protection



Mission

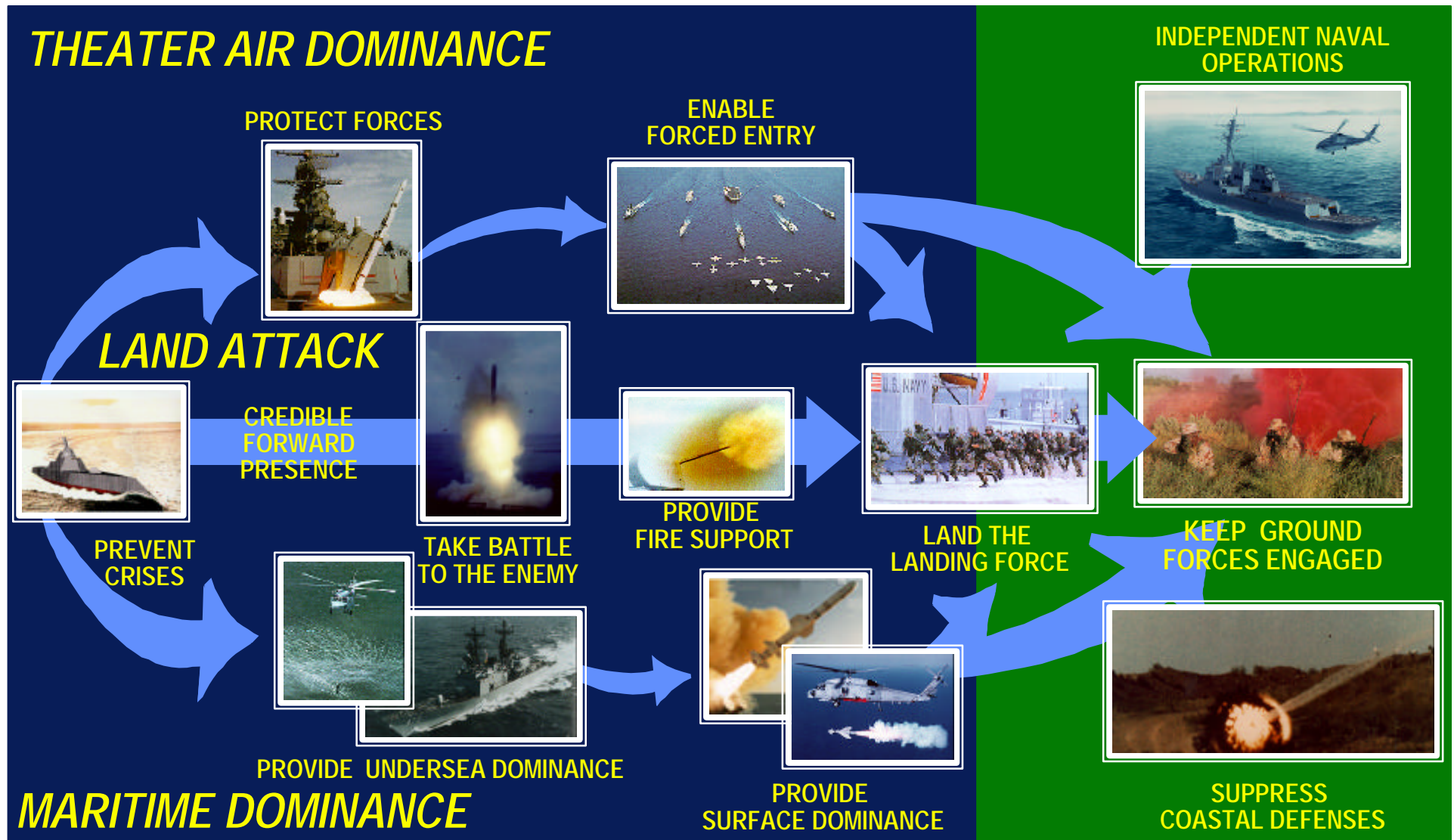
- ◆ Independent forward presence
- ◆ Integral part of joint & allied peace keeping operations
- ◆ Engage the enemy through offensive operations



Required Capabilities

- ◆ Land attack
- ◆ Battlespace dominance
- ◆ Interoperable Joint C⁴I
- ◆ Puncture-proof self defense
- ◆ Mobility
- ◆ Non-combat operations
- ◆ Fleet support operations

The Navy's Contribution . . . Forward From The Sea . . . N86 Vision



Near-Term . . . Now to 2008

